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RAW SEQUENCE LISTING

DATE: 03/29/2002

PATENT APPLICATION: US/09/986,633

TIME: 13:53:23

Input Set : A:\Sequence Listing for Divisional 2.txt

Output Set: N:\CRF3\03292002\I986633.raw

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3 <110> APPLICANT: HO, CHIEN
4     TSAI, CHING-HSUAN
5     FANG, TSUEI-YUN
6     SHEN, TONG-JIAN
8 <120> TITLE OF INVENTION: LOW OXYGEN AFFINITY MUTANT HEMOGLOBIN
10 <130> FILE REFERENCE: 002547/20118/DIV2
12 <140> CURRENT APPLICATION NUMBER: 09/986,633
13 <141> CURRENT FILING DATE: 2001-11-09
15 <150> PRIOR APPLICATION NUMBER: 09/598,218
16 <151> PRIOR FILING DATE: 2000-06-21
18 <160> NUMBER OF SEQ ID NOS: 7
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 28
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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29     Q mutation into plasmid pHE2
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50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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57 <400> SEQUENCE: 3
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61 <210> SEQ ID NO: 4
62 <211> LENGTH: 27

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OFFICE OF PETITIONS

29

63 <212> TYPE: DNA

64 <213> ORGANISM: Artificial Sequence

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66 <220> FEATURE:

67 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
betaN108

68 Q mutation into plasmid pHE7

70 <400> SEQUENCE: 4

71 acagaccagt acttgtccca ggagcct 27

74 <210> SEQ ID NO: 5

75 <211> LENGTH: 1140

76 <212> TYPE: DNA

77 <213> ORGANISM: Homo sapiens

79 <400> SEQUENCE: 5

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84 atctagaggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180

86 cctgccgaca agaccaacgt caaggccgcc tggggtaagg tcggcgcgca cgctggcgag 240

88 tatggtgcgg aggccctgga gaggatgttc ctgtccttcc ccaccaccaa gacctacttc 300

90 ccgcacttcg atctgagcca cggctctgcc cagggttaagg gccacggcaa gaaggtggcc 360

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94 agcgacctgc acgcgcacaa gcttcgggtg gacccggtca acttcaagct cctaagccac 480

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104 gtgaggccct gggcaggctg ctggtggtct acccttggac ccagagggtc tttgagtctt 780

106 ttggggatct gtccactcct gatgctgtta tgggcaacct taaggtgaag gctcatggca 840

108 agaaagtgct cgggtgccttt agtgatggcc tggctcacct ggacaacctc aagggcacct 900

110 ttgccacact gagtgagctg cactgtgaca agctgcacgt ggatcctgag aacttcaggc 960

112 tcctgggaca agtactggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac 1020

114 cagtgcaggc tgcctatcag aaagtgggtg ctggtgtggc taatgcctg gccacaaagt 1080

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122 <213> ORGANISM: Artificial Sequence

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125 <223> OTHER INFORMATION: DESCRIPTION OF ARTIFICIAL SEQUENCE: Primer to introduce
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126 W mutation into plasmid pHE7

128 <400> SEQUENCE: 6

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132 <210> SEQ ID NO: 7

133 <211> LENGTH: 1140

134 <212> TYPE: DNA

135 <213> ORGANISM: Homo sapiens

137 <400> SEQUENCE: 7

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140 caatttcaca caggaaacag aattcgagct cggtaaccgg gctacatgga gattaactca 120

142 atctagaggg tattaataat gtatcgctta aataaggagg aataacatat ggtgctgtct 180

144 cctgccgaca agaccaacgt caaggccgcc tggggtaagg tcggcgcgca cgctggcgag 240

146 tatggtgcgg aggccctgga gaggatgttc ctgtccttcc ccaccaccaa gacctacttc 300

148 ccgcacttcg atctgagcca cggctctgcc cagggttaagg gccacggcaa gaaggtggcc 360

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152	agcgacctgc	acgcgcacaa	gcttcgggtg	gacccggtca	acttcaagct	cctaagccac	480
154	tgcctgctgg	tgacctggc	cgcccacctc	cccgccgagt	tcacctctgc	ggtgcacgcc	540
156	tccctggaca	agttcctggc	ttctgtgagc	accgtgctga	cctccaaata	ccgttaaact	600
158	agagggattt	aataatgtat	cgcttaaata	aggaggaata	acatatggtg	cacctgactc	660
160	ctgaggagaa	gtctgccgtt	actgccctgt	ggggcaaggt	gaacgtggat	gaagttggtg	720
162	gtgaggccct	gggcaggctg	ctggtggtct	acccttggac	ccagaggttc	tttgagtccct	780
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166	agaaaagtgt	cggtgccttt	agtgatggcc	tggctcacct	ggacaacctc	aagggcacct	900
168	ttgccacact	gagtgaactg	cactgtgaca	agctgcacgt	ggatcctgag	aacttcaggt	960
170	ggctaggcaa	cgtgctggtc	tgtgtgctgg	cccatcactt	tggcaaagaa	ttcacccac	1020
172	cagtgcaggc	tgcctatcag	aaagtgggtg	ctggtgtggc	taatgccctg	gccacaaagt	1080
174	atcactaagc	atgcattctgt	tttggcggat	gagagaagat	tttcagcctg	atacagatta	1140

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/986,633

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Input Set : A:\Sequence Listing for Divisional 2.txt

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